

1. A remote maintenance system in which a maintenance center in charge of remote maintenance is connected to an apparatus-to-be-maintained by a communication channel and a maintenance monitor mechanism is installed in the apparatus-to-be-maintained or on the communication channel; wherein

the remote maintenance system acquires the date and time of the maintenance last carried out from the maintenance history storage unit and displays "Maintenance Not Problematic" if the difference between the date and time of the maintenance and the current date and time does not exceed a required maintenance interval or displays "Maintenance Problematic" if the difference exceeds the interval.

2. A remote maintenance system according to Claim 1, wherein the date and time of the last maintenance out of those

that were carried out with no problem found concerning utilization of the apparatus is used instead of the date and time of the maintenance last carried out.

5 3. A remote maintenance system according to Claim 1, wherein
the system contains different required maintenance intervals dependent upon the type of maintenance controlled by the maintenance control section, and switches the required maintenance interval corresponding to each type
10 of maintenance and displays "Maintenance Problematic/Not Problematic".

4. A remote maintenance system according to Claim 1, wherein
the system displays restrictions concerning
15 utilization of the apparatus in case of "Maintenance Problematic".

5. A remote maintenance system according to Claim 1, wherein
the system displays current status if maintenance
20 activity is being carried out in case of "Maintenance Problematic".

6. A remote maintenance system according to Claim 5, wherein,
if any restriction concerning utilization of the
25 apparatus is caused, the system displays the restriction.

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- 5 12. A remotemaintenance system according to Claim 1, wherein
the system is equipped with a maintenance history
storage unit installed in the maintenance center, and,
when the communication channel between the maintenance
center and the apparatus-to-be-maintained is connected,
10 compares the maintenance history recorded in the
maintenance history storage unit in the maintenance center
at the last connection of the communication channel to the
maintenance history recorded in the maintenance history
storage unit in the maintenance monitor mechanism, and
15 carries out remote maintenance if the two records agree
with each other or shuts down the communication channel
if not.
13. A remotemaintenance system according to Claim 1, wherein
20 the system displays the maintenance histories in the
maintenance history storage unit on the display unit.
14. A remotemaintenance system according to Claim 1, wherein
the system displays the required maintenance interval,
25 current time of the timer, and maintenance history in the

5 maintenance history storage unit, either in strings of
numeric numbers of the frequency distribution calculated
perspecified unit time or in a form of distribution histogram
charting the strings of numeric numbers in time series,
on the display unit.

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$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$